| li | ndex | of Cl | aims |  |
|----|------|-------|------|--|
|    |      |       |      |  |
|    |      |       |      |  |

| Application/Co | ontrol No. |
|----------------|------------|
|----------------|------------|

Applicant(s)/Patent under Reexamination

10/825,392

Chi Q. Nguyen

PASEK, MARK E.

Examiner

Art Unit

√ Rejected

Allowed

- (Through numeral) Cancelled

Non-Elected

A Appeal

÷ Restricted

Interference

O Objected

| Cla          | aim      | Date    |                         |   |   |           |           | Cla       | Date     |   |          |          |             |          |          |          |          |           | aim      | Date     |          |          |          |          |            |              |                    |          |          |     |           |          |   |   |
|--------------|----------|---------|-------------------------|---|---|-----------|-----------|-----------|----------|---|----------|----------|-------------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|------------|--------------|--------------------|----------|----------|-----|-----------|----------|---|---|
| <u> </u>     | _        | te puls |                         |   |   |           |           |           |          |   |          |          |             |          |          |          |          | $\neg$    |          |          |          | П        |          |          |            |              |                    |          |          |     |           |          |   |   |
| <u> </u>     | Original | K       | 9                       |   |   |           |           | - 1       |          |   |          |          | Final       | Original |          |          |          |           |          |          |          |          |          | Final    | Original   |              |                    |          |          |     |           |          |   |   |
| Final        | Ę.       | ķ       | 8                       |   |   |           |           | -         | Ì        |   |          |          | i i i i     | Ę        |          |          |          |           |          |          |          |          |          | iĒ       | )<br>ji    |              | ,                  |          |          |     |           |          |   |   |
|              |          | 1       | <u> </u>                | • |   | L         |           |           |          |   |          |          |             | !        |          |          |          |           |          |          |          | _        |          |          |            |              | Ш                  |          |          |     | _         |          |   |   |
|              | 1        | Ŀ       | Ì                       |   |   | L         | ⊥         | _         |          |   |          | _        |             | 51       |          |          |          |           | Ш        | _        |          |          | _        |          | 101        | <u> </u>     |                    | _        |          |     | $\Box$    | _        |   |   |
|              | 2        | L       | Ц                       |   |   | ┖         | $\perp$   | _         |          |   |          |          |             | 52       | L.       | _        |          |           |          | [        |          | _        | _        |          | 102        | _            |                    | _        | $\Box$   |     |           | 4        |   |   |
| L            | 3_       | L       | Ц                       |   |   | Ļ         | 1         | 1         | _        |   |          | _        |             | 53       |          |          |          |           |          | _        |          | $\dashv$ | _        |          | 103        | <u> </u>     | $\vdash$           |          |          |     |           | 4        |   |   |
|              | 4        | L       | Ц                       |   |   | L         | 4         | 4         | _        |   |          | _        | _           | 54       | _        | _        |          |           | _        |          |          | _        |          |          | 104        | <u> </u>     | -                  | _        | _        | _   |           |          |   |   |
| <u></u>      | 5        | Ļ       | Ц                       |   | _ | Ļ         | $\perp$   | 4         | _        |   |          | _        |             | 55       |          |          |          |           | _        |          | _        | -        | _        |          | 105        | <u> </u>     | $\vdash$           | $\dashv$ |          |     |           |          | _ |   |
|              | 6        | Ļ       | Ц                       |   |   | L         | 1         | 4         | _        |   |          | _        |             | 56       | _        |          | -        | $\vdash$  |          | _        | _        |          | -        | <u> </u> | 106        | <u> </u>     |                    | $\dashv$ |          |     |           | $\dashv$ |   |   |
| <u> </u>     | 7        | L       | Н                       | _ | _ | ╀-        | +         | 4         | -        |   | _        | _        |             | 57       | _        |          |          |           | $\dashv$ | -        |          |          | _        |          | 107<br>108 | -            | $\sqcup$           | -        | -        |     |           | $\dashv$ | _ |   |
|              | 8        | ╀       | Н                       | _ |   | ╀         | +         | 4         | -        |   | _        |          |             | 58       | _        |          | -        | -         |          | -        | _        |          | $\dashv$ | <u>-</u> | 109        | -            |                    | -        |          | _   |           | $\dashv$ |   | _ |
|              | 9        | ╀       | Н                       |   |   | ╄         | +         | 4         | $\dashv$ |   |          |          |             | 59<br>60 | _        |          | $\dashv$ | Н         | -        | $\dashv$ | $\dashv$ | -        | $\dashv$ | -        | 1109       | -            | H                  | $\dashv$ |          | _   | -         |          | _ | _ |
| <u> </u>     | 10       | ╀       | $\vdash$                | _ |   | ╁         | +         | +         | ᅱ        |   |          | _        |             |          | -        |          | -        | $\vdash$  | $\dashv$ | -        |          |          | $\dashv$ | -        | 111        | ├-           |                    | $\dashv$ | $\vdash$ | -   | _         | $\dashv$ |   |   |
|              | 11       | ŀ       | H                       | - |   | $\vdash$  | +         | +         | $\dashv$ |   |          | $\dashv$ |             | 61<br>62 | -        |          | $\dashv$ | $\vdash$  | $\dashv$ | $\dashv$ |          | -        | $\dashv$ | -        | 112        |              | $\vdash$           | -        | $\vdash$ |     |           | $\dashv$ | - |   |
| -            | 12<br>13 | H       | Н                       |   |   | $\vdash$  | +         | $\dashv$  | -        | - | -        |          |             | 63       | $\vdash$ | <u> </u> | $\dashv$ | -         | $\dashv$ | -        | ᅴ        | -        | $\dashv$ | <b>—</b> | 113        | -            | $\vdash$           |          |          |     |           |          |   |   |
| <u> </u>     | 14       | H       | Н                       | _ | _ | +         | +         | $\dashv$  | $\dashv$ |   | $\vdash$ |          | -           | 64       | -        | $\vdash$ | $\vdash$ | $\vdash$  | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        | 114        | $\vdash$     | $\vdash \vdash$    |          |          | -   |           | $\dashv$ | _ |   |
|              | 15       | ╀       | Н                       | _ |   | ╁         | +         | +         | -1       |   |          | $\dashv$ | -           | 65       | -        |          |          | -         | $\dashv$ | -        | -        | -+       | $\dashv$ |          | 115        | -            | $\vdash$           | $\dashv$ |          |     |           | $\neg$   |   |   |
| -            | 16       | ╁       | H                       | 1 | _ | +         | +         | $\dashv$  |          | - |          | $\dashv$ | -           | 66       | -        | -        | $\dashv$ | $\vdash$  |          | $\dashv$ | $\dashv$ | +        | $\dashv$ | <b>-</b> | 116        | <u> </u>     | H                  | $\neg$   |          |     |           |          |   | _ |
|              | 17       | H       | Н                       | - |   | ╁         | +         | $\dashv$  | -        |   | -        | $\dashv$ |             | 67       | <u> </u> |          | $\dashv$ | $\dashv$  |          | $\dashv$ | $\neg$   |          | -        |          | 117        | $\vdash$     |                    |          |          |     |           |          | _ |   |
| -            | 18       | ╁       | H                       |   |   | ╁╴        | +         | ┪         | ᅱ        | _ |          | $\dashv$ |             | 68       | -        | _        | -        |           |          | _        | $\neg$   | $\dashv$ |          |          | 118        | -            | H                  |          |          |     |           |          |   |   |
| -            | 19       | t       | Н                       | _ |   | ╁         | +         | -         |          |   |          |          |             | 69       |          | _        |          | $\neg$    | $\dashv$ | 一        | -        | _        | _        |          | 119        | $\vdash$     | $\Box$             |          |          | _   |           | $\neg$   | _ |   |
| <del></del>  | 20       | ١.      | =                       | - |   | ╁╌        | +         | +         | $\dashv$ |   |          | $\dashv$ | _           | 70       | -        |          |          |           |          | -        | $\dashv$ | $\dashv$ | _        |          | 120        | $\vdash$     | $\vdash$           |          | _        |     |           |          | _ |   |
| <u> </u>     | 21       | t       | •                       |   |   | +         | +         | $\forall$ | $\dashv$ |   |          |          |             | 71       | _        |          |          |           |          |          | $\neg$   | $\neg$   | _        |          | 121        |              |                    |          |          |     |           |          |   |   |
|              | 22       | t       | ┪                       |   |   | ╁         | ╁         | +         | $\dashv$ |   |          | $\dashv$ |             | 72       | $\vdash$ |          |          |           |          |          | $\neg$   | 1        |          |          | 122        |              | П                  |          |          |     |           |          |   |   |
| <u> </u>     | 23       | t       | 1                       |   |   | +         | $^{+}$    | +         | $\dashv$ | _ |          | $\dashv$ |             | 73       |          |          |          |           |          | $\neg$   |          | $\dashv$ | _        |          | 123        | $\vdash$     |                    |          |          |     |           |          | _ |   |
| <del>-</del> | 24       | t       | 7                       |   |   | $\dagger$ | $\dagger$ | +         | T        | _ |          | ヿ        |             | 74       | <u> </u> |          | $\neg$   |           |          | $\neg$   |          | $\dashv$ | _        |          | 124        |              |                    |          |          |     |           |          |   |   |
|              | 25       | t       | 1                       |   |   | t         | $\dagger$ | +         | _        | _ |          | $\dashv$ |             | 75       | Т        |          |          |           |          | $\neg$   |          | 1        |          |          | 125        |              |                    |          |          |     |           | 一        | _ |   |
|              | 26       | t       | 7                       |   |   | T         | 十         | 7         | $\neg$   |   |          | $\Box$   | -           | 76       |          |          |          |           |          |          |          |          |          |          | 126        |              |                    |          |          |     |           |          |   |   |
| <del> </del> | 27       | t       | 7                       |   |   | $\vdash$  | +         | 7         | $\neg$   |   |          | Ħ        |             | 77       |          |          |          |           |          |          |          | 寸        |          |          | 127        |              |                    |          |          |     |           |          |   |   |
|              | 28       | t       | 7                       |   |   | $\dagger$ | †         | 7         | ヿ        |   |          | $\neg$   |             | 78       |          |          |          |           |          |          |          | T        |          |          | 128        | Г            | П                  |          |          |     |           |          |   |   |
|              | 29       | T       | ┪                       |   |   | T         | Ť         | ┪         | 一        |   |          |          |             | 79       |          |          |          |           |          |          |          |          |          |          | 129        |              |                    |          |          |     |           |          |   |   |
|              | 30       | T       | 7                       |   |   | T         | T         | 7         |          |   |          |          |             | 80       |          |          |          |           |          |          |          |          |          |          | 130        |              |                    |          |          |     |           |          |   |   |
|              | 31       | T       | T                       | - |   | Τ         | 7         | 7         |          |   |          |          |             | 81       |          |          |          |           |          |          |          |          |          |          | 131        |              |                    |          |          |     |           |          |   |   |
|              | 32       | Γ       |                         |   |   |           | T         | $\Box$    |          |   |          |          |             | 82       |          |          |          |           |          |          |          |          |          |          | 132        |              |                    | ]        |          |     |           |          |   |   |
|              | 33       |         | I                       |   |   |           | Ι         |           |          |   |          |          |             | 83       |          |          |          |           | $\Box$   |          |          | $\Box$   | _        |          | 133        |              | Ш                  |          |          |     |           |          |   |   |
|              | 34       | Ĺ       | $\Box$                  |   |   | Г         | $\perp$   | $oxed{J}$ |          |   |          |          |             | 84       |          | Ш        |          | Ш         |          |          |          | $\perp$  | _        |          | 134        | <u> </u>     | $\sqcup$           |          |          |     |           |          |   |   |
|              | 35       | L       | $ \bot $                |   |   | L         | $\perp$   | $\perp$   |          |   |          |          | <u> </u>    | 85       |          |          |          |           | _        | _        |          | 4        | _        | <u></u>  | 135        |              | $\sqcup$           | _        |          |     |           |          |   |   |
|              | 36       | L       | $oldsymbol{\downarrow}$ |   |   | L         | $\perp$   | _         |          |   |          |          | · <b></b> _ | 86       |          |          |          |           |          | _        | _        | _        | Ц.       | <u> </u> | 136        | <u> </u>     | $\sqcup$           |          |          |     | $\square$ | _        |   |   |
|              | 37       | L       | _                       |   |   | L         | $\perp$   | $\dashv$  | _        |   |          | _        |             | 87       |          | L.,      |          |           |          | _        | _        | 4        | _        | <u></u>  | 137        |              |                    | _        | Ш        |     | $\Box$    | $\dashv$ |   |   |
|              | 38       | L       | _                       |   |   | $\perp$   | 1         | $\dashv$  |          |   |          | _        | —           | 88       | _        | Щ        | Щ        | Щ         | _        |          |          | _        | _        |          | 138        | <u> </u>     | $\vdash$           |          | Щ        |     | Щ         | $\dashv$ |   |   |
|              | 39       | L       | 4                       |   |   | ┺         | 4         | 4         | _        |   | =        | _        | <u> </u>    | 89       | <u> </u> | Щ        |          |           |          |          |          | $\dashv$ | _        | -        | 139        |              | $\vdash$           | $\dashv$ | Щ        |     |           | $\dashv$ |   |   |
|              | 40       | L       | 4                       | _ |   | ╀         | +         | 4         |          |   |          | _        | <u> </u>    | 90       | <u> </u> |          | $\vdash$ | $\vdash$  |          | _        |          | +        | $\dashv$ | -        | 140        | ├—           | ┝╌┤                | _        | $\vdash$ |     | Н         |          |   |   |
|              | 41       | L       | _                       | _ |   | ┞-        | +         | 4         | _        |   | _        |          | -           | 91       | <u> </u> |          | $\vdash$ | $\square$ | _        |          | $\dashv$ | -        | $\dashv$ | -        | 141        | <del> </del> | $\left  - \right $ | -        | $\vdash$ |     |           |          | _ |   |
|              | 42       | L       | $\dashv$                |   |   | ╀         | +         | $\dashv$  | -        |   | $\dashv$ | $\dashv$ | <u> </u>    | 92       | <u> </u> |          |          | $\vdash$  | _        |          |          | $\dashv$ | $\dashv$ | <u> </u> | 142        | $\vdash$     | $\vdash$           | _        | Н        |     | Н         | $\dashv$ |   |   |
|              | 43       | Ļ       | 4                       |   | _ | $\vdash$  | +         | +         | -        |   |          |          |             | 93       | ├-       | $\vdash$ | $\vdash$ |           | -        |          |          | $\dashv$ | $\dashv$ | -        | 143<br>144 | -            | ┝╌┤                |          | $\vdash$ | _ , | $\vdash$  |          |   |   |
|              | 44       | Ļ       | 4                       |   |   | $\vdash$  | +         | $\dashv$  | -        |   |          |          |             | 94       |          | Н        | $\dashv$ |           |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | 145        |              | $\vdash$           | -        | $\vdash$ | -   |           |          |   |   |
|              | 45       | Ł       | $\dashv$                |   | _ | ╀         | +         | $\dashv$  | _        |   | $\dashv$ |          |             | 95<br>96 | -        | —        | -        |           |          |          |          | $\dashv$ | $\dashv$ | -        | 145        | $\vdash$     | $\vdash$           | $\dashv$ |          | _   | -         | -        |   |   |
|              | 46       | Ł       | 4                       |   | _ | ╀         | +         | $\dashv$  | -        | _ | $\dashv$ | -        | -           | 96       | -        | -        | $\vdash$ | $\vdash$  |          |          | $\dashv$ | $\dashv$ | $\dashv$ | -        | 147        | ├—           | $\vdash$           | -        | $\vdash$ |     |           | $\dashv$ |   | _ |
|              | 47       | ╀       | -                       |   | _ | ╀         | +         | $\dashv$  | -        | _ | $\dashv$ |          |             | 98       |          | $\vdash$ | $\vdash$ | -         | -        | $\dashv$ | $\dashv$ | $\dashv$ |          | $\vdash$ | 148        | $\vdash$     | ├┤                 |          | $\vdash$ | _   | $\vdash$  | $\dashv$ |   |   |
|              | 48<br>49 | ╀       | $\dashv$                | _ | _ | ╀         | +         | $\dashv$  | $\dashv$ | _ | $\dashv$ |          | <u> </u>    | 99       |          |          | $\dashv$ | -         | -        |          | $\dashv$ | -+       | $\dashv$ | -        | 149        | -            | $\vdash \vdash$    | $\dashv$ | $\vdash$ |     | $\vdash$  | $\dashv$ |   | - |
|              |          | H       | $\dashv$                | _ | _ | ╀         | +         | $\dashv$  |          | _ |          | $\dashv$ |             | 100      | -        | $\vdash$ | $\vdash$ | -         | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | 150        | $\vdash$     | $\vdash$           | -        | H        |     | $\vdash$  | $\dashv$ |   |   |
| L            | 50       | L       | 1                       |   |   | L.,       | 1         |           |          |   |          |          | L           | 100      |          | Ш.       | 1        |           |          |          |          |          |          |          | 130        | Щ.           | لـــا              |          | لبيا     |     | ئـــا     |          |   |   |